

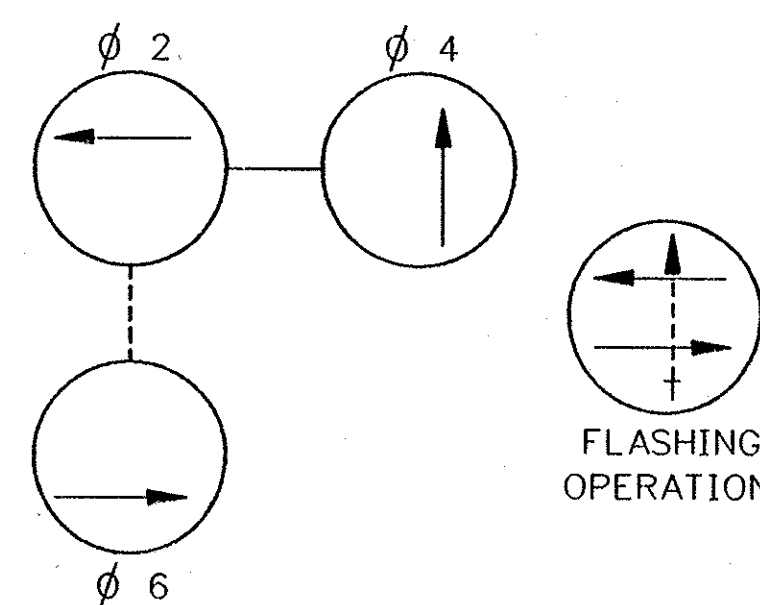
# STAGE III NEMA PHASING

## SIGNS

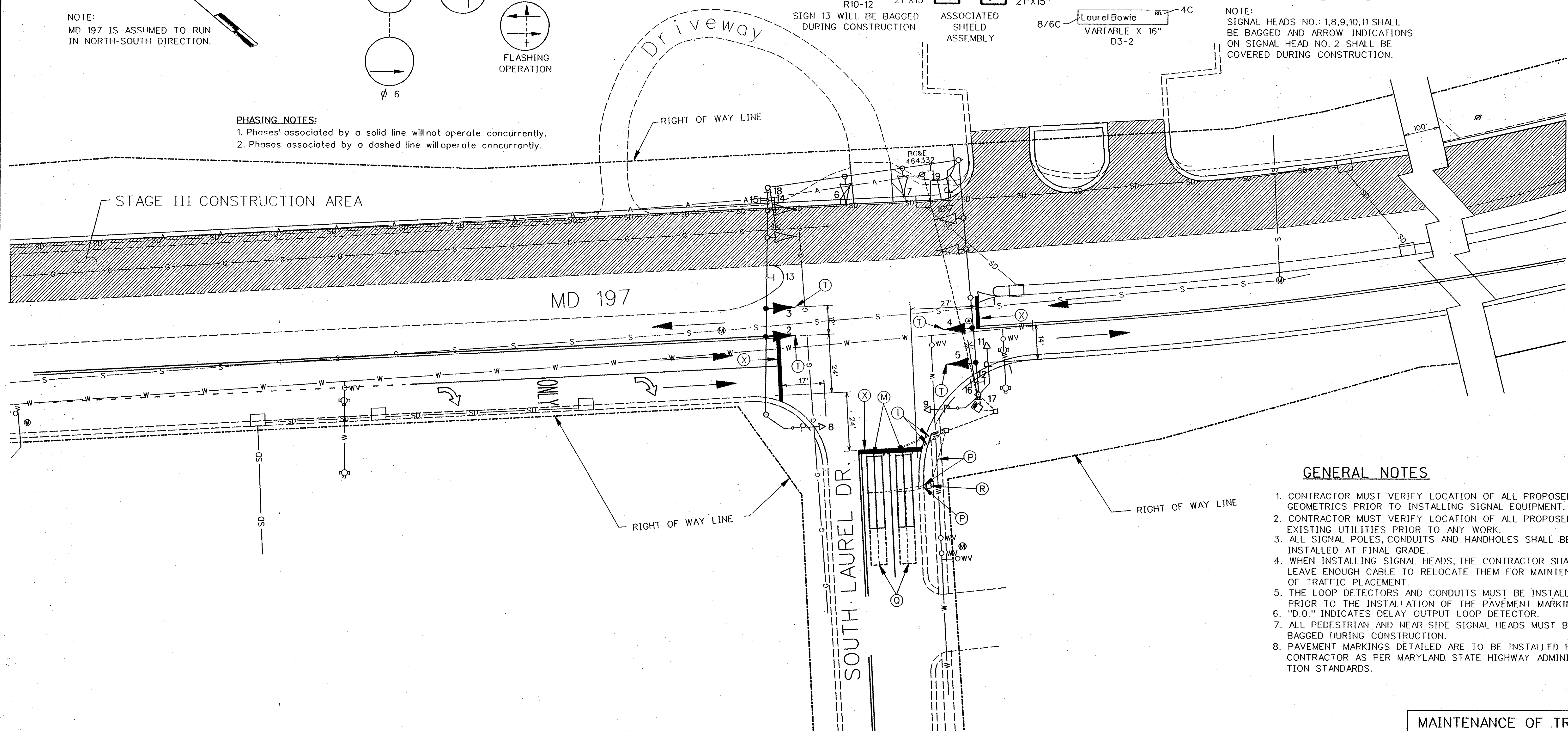
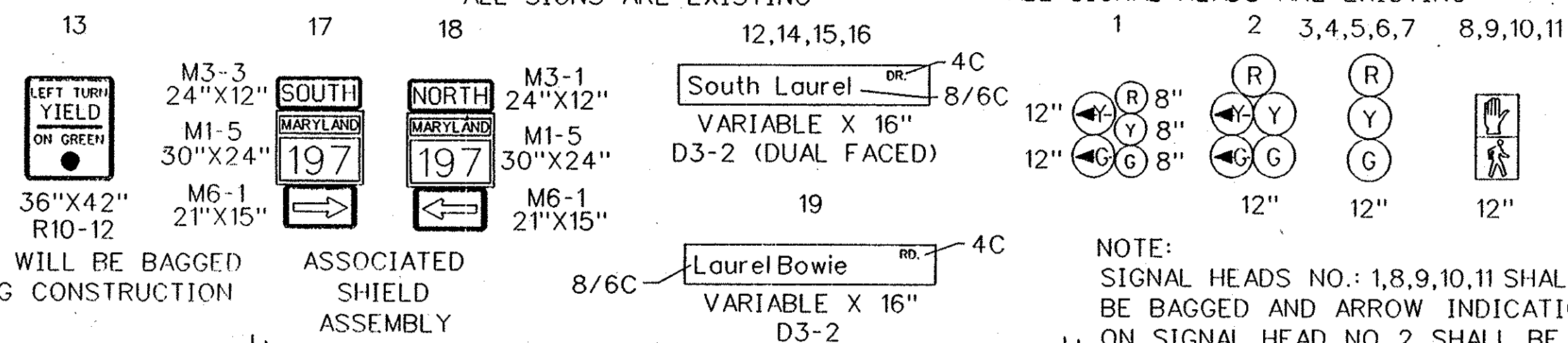
## SIGNALS

F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD	BW1E14		

NOTE:  
MD 197 IS ASSUMED TO RUN  
IN NORTH-SOUTH DIRECTION.



PHASING NOTES:  
1. Phases associated by a solid line will not operate concurrently.  
2. Phases associated by a dashed line will operate concurrently.



## GENERAL NOTES

1. CONTRACTOR MUST VERIFY LOCATION OF ALL PROPOSED GEOMETRICS PRIOR TO INSTALLING SIGNAL EQUIPMENT.
2. CONTRACTOR MUST VERIFY LOCATION OF ALL PROPOSED AND EXISTING UTILITIES PRIOR TO ANY WORK.
3. ALL SIGNAL POLES, CONDUITS AND HANDHOLES SHALL BE INSTALLED AT FINAL GRADE.
4. WHEN INSTALLING SIGNAL HEADS, THE CONTRACTOR SHALL LEAVE ENOUGH CABLE TO RELOCATE THEM FOR MAINTENANCE OF TRAFFIC PLACEMENT.
5. THE LOOP DETECTORS AND CONDUITS MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PAVEMENT MARKINGS.
6. "D.O." INDICATES DELAY OUTPUT LOOP DETECTOR.
7. ALL PEDESTRIAN AND NEAR-SIDE SIGNAL HEADS MUST BE BAGGED DURING CONSTRUCTION.
8. PAVEMENT MARKINGS DETAILED ARE TO BE INSTALLED BY THE CONTRACTOR AS PER MARYLAND STATE HIGHWAY ADMINISTRATION STANDARDS.

## MAINTENANCE OF TRAFFIC STAGE III

### UTILITIES LEGEND

- A — AERIAL CABLES
- G — GAS MAIN
- E — ELECTRIC CABLES (UNDERGROUND)
- T — TELEPHONE CABLES
- W — WATER MAIN
- S — SEWER MAIN
- SD — STORM DRAIN

### ROADWAY LEGEND

- EXISTING
- PROPOSED

RUMMEL, KLEPPER & KAHL  
CONSULTING ENGINEERS

81 MOSHER STREET  
BALTIMORE, MD 21217  
TEL. (410) 728-2900

REVISIONS:	APPROVALS:
REVISED 11/94 FOR THE MD 197 DUALIZATION	ORIGINAL
	CHIEF SIGNAL DESIGN SECTION
	ASST. DISTRICT ENGINEER TRAFFIC
	CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
	FILE
	DIRECTOR OFFICE OF TRAFFIC & SAFETY

MDOT - STATE HIGHWAY ADMINISTRATION  
Office of Traffic & Safety  
TRAFFIC ENGINEERING DESIGN DIVISION LOG MILE • 16019711.61

DRAWN BY: ZAJ  
DES. BY: ZAJ  
CHK. BY: BDH

MD 197 @ SOUTH LAUREL DR.

COUNTY: PRINCE GEORGE'S

DATE: NOVEMBER 1994  
SCALE: 1"=20'

F.A.P. NO. M-  
S.H.A. NO. P-

TS/STD. NO.: TS-1728X2  
SHEET NO.: OF